SONY

4-089-403-**51**

408940351

Trinitron Colour Television

Operating Instructions

FD Trinitron WEGA

KV-36FS76 U

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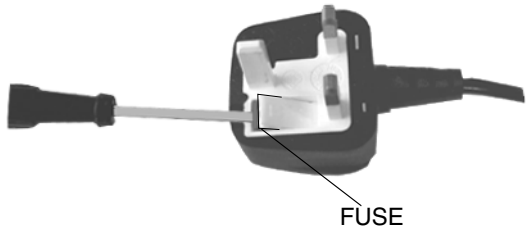
NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience. Should the fuse in the plug supplied need to be replaced, a 13 AMP FUSE approved by ASTA or BSI to BS 1362 (i.e. marked with ⓐ or ♡) must be used. When an alternative type of plug is used it should be fitted with a 13 AMP FUSE, otherwise the circuit should be protected by a 13 AMP FUSE at the distribution board. If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service centre.

How to replace the Fuse

Open the fuse compartment with a flat blade screwdriver, and replace the fuse.



IMPORTANT

If the plug supplied is not suitable for the socket outlet in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions:

The wires in this mains lead are coloured in accordance with the following code:

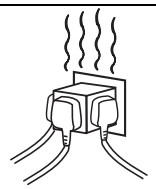
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

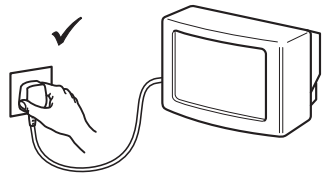
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green and yellow.

WARNING

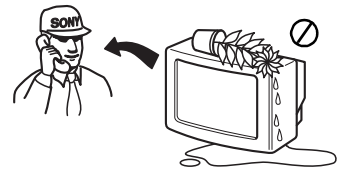
- To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be destroyed.
- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.



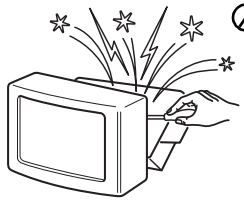
This set is to operate on a 220-240V AC supply only. Take care not to connect too many appliances to the same power socket as this could result in fire or electric shock.



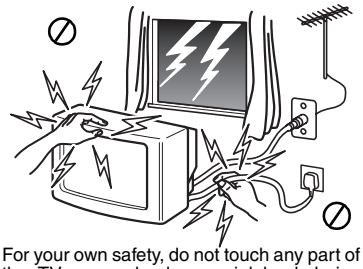
For environmental and safety reasons, it is recommended that the TV set is not left in standby mode when not in use. Disconnect from the mains.



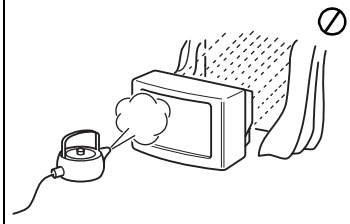
Never push objects of any kind into the set as this could result in a fire or electric shock. Never spill liquid of any kind on the set. If any liquid or solid object does fall through, do not operate the TV. Have it checked immediately by qualified personnel.



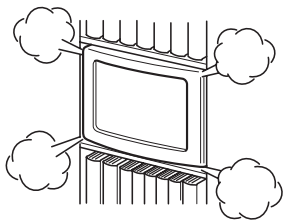
Do not open the cabinet and the rear cover of the TV. Refer to qualified service personnel only.



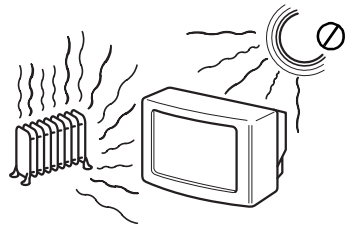
For your own safety, do not touch any part of the TV, power lead or aerial lead during lightning storms.



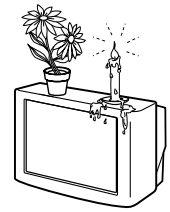
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



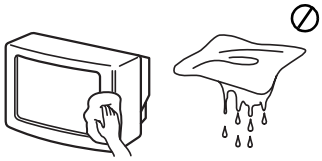
Do not cover the ventilation openings of the TV. For ventilation, leave a space of at least 10cm all around the set.



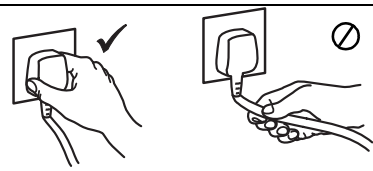
Never place the TV in hot, humid or excessively dusty places. Do not install the TV where it may be exposed to mechanical vibrations.



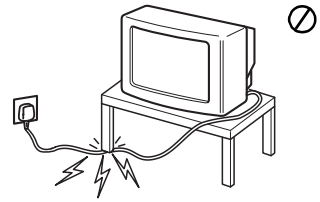
To prevent fire, keep inflammable objects or naked lights (eg candles) away from the TV.



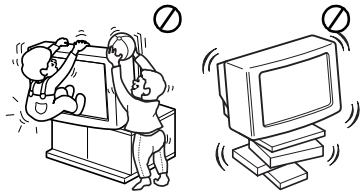
Clean the TV with a soft, lightly dampened cloth. Do not use benzine, thinner or any other chemicals to clean the TV. Do not scratch the TV screen. As a safety precaution, unplug the TV before cleaning it.



Pull out the power lead by the plug. Do not pull on the power lead itself.

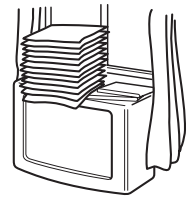


Take care not to place heavy objects on the power lead as this could result in damage. We recommend you wind any excess lead around the holders provided on the rear of the TV.



Place the TV on a secure stable stand. Do not allow children to climb on to it. Do not place the TV on its side or face up.

Unplug the power lead before moving the TV. Avoid uneven surfaces, quick steps or excessive force. If the set has been dropped or damaged, have it checked immediately by qualified service personnel.



Do not cover the ventilation openings of the TV with items such as curtains or newspapers etc.

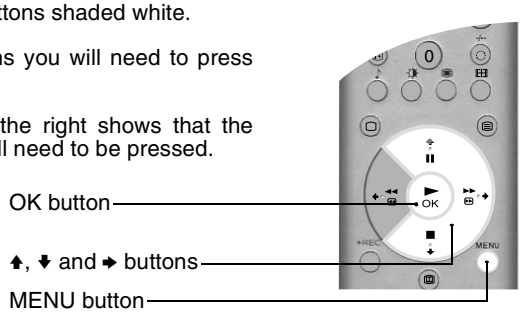
Thank you for choosing this Sony Trinitron Television.

Before operating this TV, please read this instruction manual thoroughly and retain it for future reference.

Throughout this instruction manual there are illustrations of the remote control with certain buttons shaded white.

This shading indicates the buttons you will need to press when following the instructions.

For example, the illustration on the right shows that the MENU, ↑, ↓, → and OK buttons will need to be pressed.



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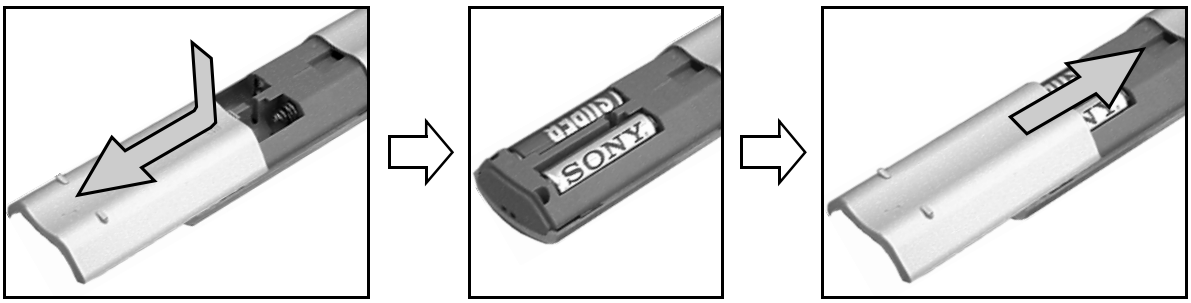
Follow steps 1 - 5 to install the TV and view programmes.

1 Checking the supplied accessories

Remote control

Batteries

2 Inserting batteries into the remote control



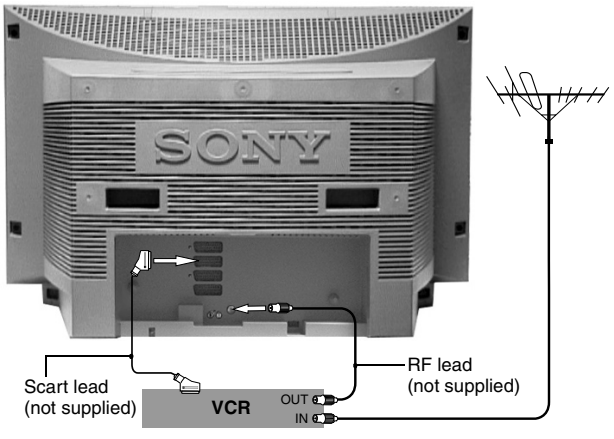
Always remember to:
- observe the correct polarity when inserting batteries,
- dispose of batteries in an environmentally friendly way.

3 Connecting an aerial and VCR

Connecting an aerial only

1. Connect your aerial lead to the aerial socket labelled ⅂ on the rear of the TV.

Connecting an aerial and VCR



1. Connect your aerial lead to the IN* socket on your VCR.

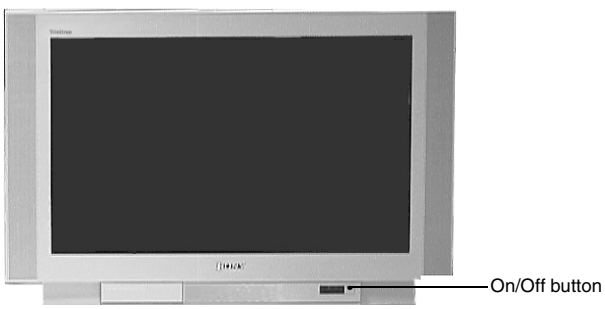
2. Connect an RF lead from the OUT* socket on your VCR to the aerial socket labelled ⅂ on the rear of the TV.

3. Connect a fully wired 21-pin scart lead from the scart socket marked ⇨3/⇦3 on the rear of the TV to a scart socket on your VCR**

Notes: *Socket names may vary depending on make and model of VCR. Refer to your VCR instruction manual for details.

**If your VCR does not have a scart socket follow the connecting instructions above ignoring the scart lead connection.
You will also need to manually tune the VCR to a spare TV channel (ideally channel 0, refer to the 'Manual Programme Preset menu' section of this instruction manual).

4 Switching on the TV



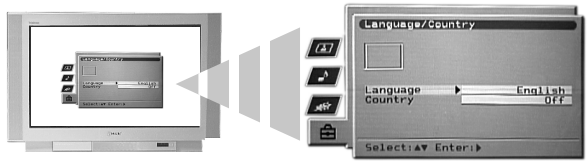
1. Connect the TV plug to your mains socket (220 - 240V AC, 50 Hz).

2. The TV is usually switched on. If not, push in the On/Off button ⏻ on the front of the TV.

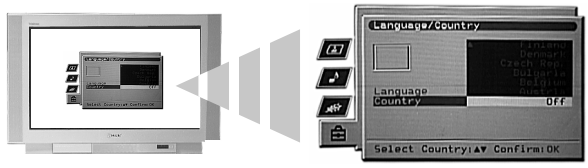
If the red standby mode indicator on the front of the TV is lit, press the TV I/⏻ button on the remote control to switch on the TV set. Please be patient as the picture may take a few moments to appear on the TV screen.

5 Automatically tuning the TV

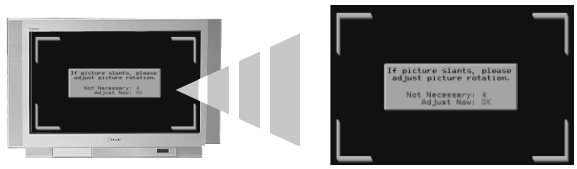
1. When you switch on the TV for the first time the Sony logo appears on the TV screen, followed by the Language/Country menu with the word 'English' highlighted. Press the ↑ or ↓ buttons on the remote control to highlight your required language. Press the **OK** button to confirm your choice. From now on all menus appear in your chosen language.



2. The word 'Country' is now highlighted. Press the ↑ or ↓ buttons on the remote control to highlight the country in which you are using the TV. It is important to select the correct country to ensure correct Teletext displays. Press the **OK** button to confirm your choice.



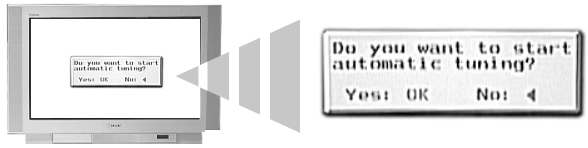
3. The picture rotation prompt appears. Sometimes the Earth's natural magnetism can cause the screen to look tilted.



a) If no correction is required, press the ← button on the remote control.

b) If some correction is required, press the **OK** button on the remote control. Press the ↑ or ↓ buttons to rotate the picture over a range of -5 to +5. Press the **OK** button to store.

4. The autotune prompt screen appears. Press the **OK** button to select **Yes**. The autotune procedure begins, tuning all the available channels.



A display appears on the TV screen to inform you of the tuning progress.

If no channels are found, a display appears on the TV screen asking you to confirm your aerial is connected. Check the aerial has been connected correctly then press the **OK** button to repeat the tuning process.

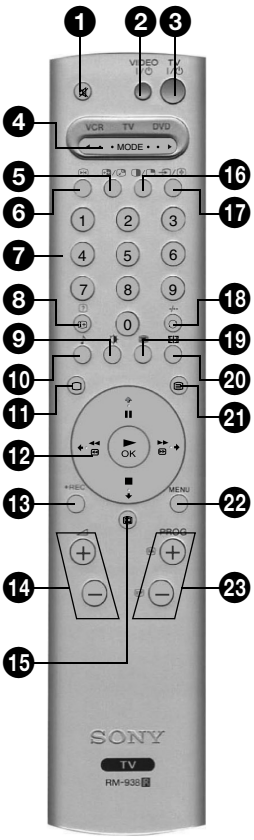
5. Once all available channels have been tuned the 'Programme Sorting' menu appears. This menu allows you to rearrange the order of the channels on the TV.

a) If you do not wish to rearrange the order, press the **MENU** button to remove the 'Programme Sorting' menu from the TV screen.

b) If you wish to rearrange the order, press the ↑ or ↓ buttons to select the channel you wish to move, then press the → button. Press the ↑ or ↓ buttons to select the new position for your selected channel. Press the **OK** button to confirm. The selected channel moves to its new position. Repeat this procedure if you wish to move other channels. Press the **MENU** button to remove the 'Programme Sorting' menu from the TV screen when you have finished rearranging the channel order.

The TV has now tuned in all the available channels and is ready for use

Overview of the remote control



1 Mute button
Press to mute the TV sound. Press again to restore the sound.

2 VIDEO Standby button
Press to switch off your VCR or DVD temporarily.

3 TV Standby button
Press to switch off your TV temporarily. The standby indicator on the front of the TV is lit. Press again to return to normal operation.

4 ◄ MODE ► Selector button
This remote can also operate other equipment. Refer to 'Remote control of other equipment' for details.

5 PAP Swap button
Press to swap screens in Picture And Picture (PAP) mode. Refer to 'Picture And Picture (PAP)' for details.

6 Freeze button
Press to freeze the picture. Press again to cancel.

7 Numbered buttons
When ◄ MODE ► Selector button is set to VCR or TV, press to input the required channel number. For two digit channel numbers, enter the second digit within two seconds.

8 Info/Reveal button
In TV Mode: Press to reveal on screen information such as channel number etc.
In Text Mode: Press to reveal concealed information (e.g. answers to a quiz). Press again to cancel.

9 Picture Mode button
Press repeatedly to change the 'Picture Mode' without entering the 'Picture Adjustment' menu.

10 Sound Mode button
Press to repeatedly change the 'Sound Mode' without entering the 'Sound Adjustment' menu.

11 TV button
Press to return to normal TV operation from Text or Video Input mode.

12 Control Pad and OK button
When in the TV menu system: Press the control pad buttons to move through the options in each display. Press the OK button to confirm a selection.
When in normal TV mode: Press the OK button to display a channel overview. Press the ↑ or ↓ button to highlight a channel. Press the → button to display the chosen channel.
Note: When the ◄ MODE ► Selector button is set to VCR or DVD the control pad and OK buttons operate the main functions of your VCR or DVD.

13 REC button
When ◄ MODE ► Selector button is set to VCR, press this button to begin recording.

14 Volume buttons
Press to increase (+) or decrease (-) the volume.

15 EPG button
Press to display the Electronic Programme Guide. Refer to 'NexTView Electronic Programme Guide (EPG)' for details.

16 PAP button
Press to enter Picture And Picture (PAP) mode. Refer to 'Picture And Picture (PAP)' for details.

17 Input Select/Hold button
In TV Mode: Press to select signals from equipment connected to the TV sockets (refer to 'Connecting additional equipment' for details).
In Text Mode: Press to hold the current page. Press again to cancel.

18 Channel Return button
Press to return to the previous channel you were watching (provided you watched it for at least 5 seconds).
Note: If the ◄ MODE ► Selector button is set to VCR you can use this button to select double digit channel numbers, e.g. press the ↻ button then press 2 and 3 for channel 23.

19 Multi PIP button
Press to enter Multi Picture In Picture (Multi PIP) mode. Refer to 'Multi Picture In Picture (Multi PIP)' for details.

20 Screen Mode button
Press repeatedly to change the screen mode. Refer to 'Screen Mode' for details.

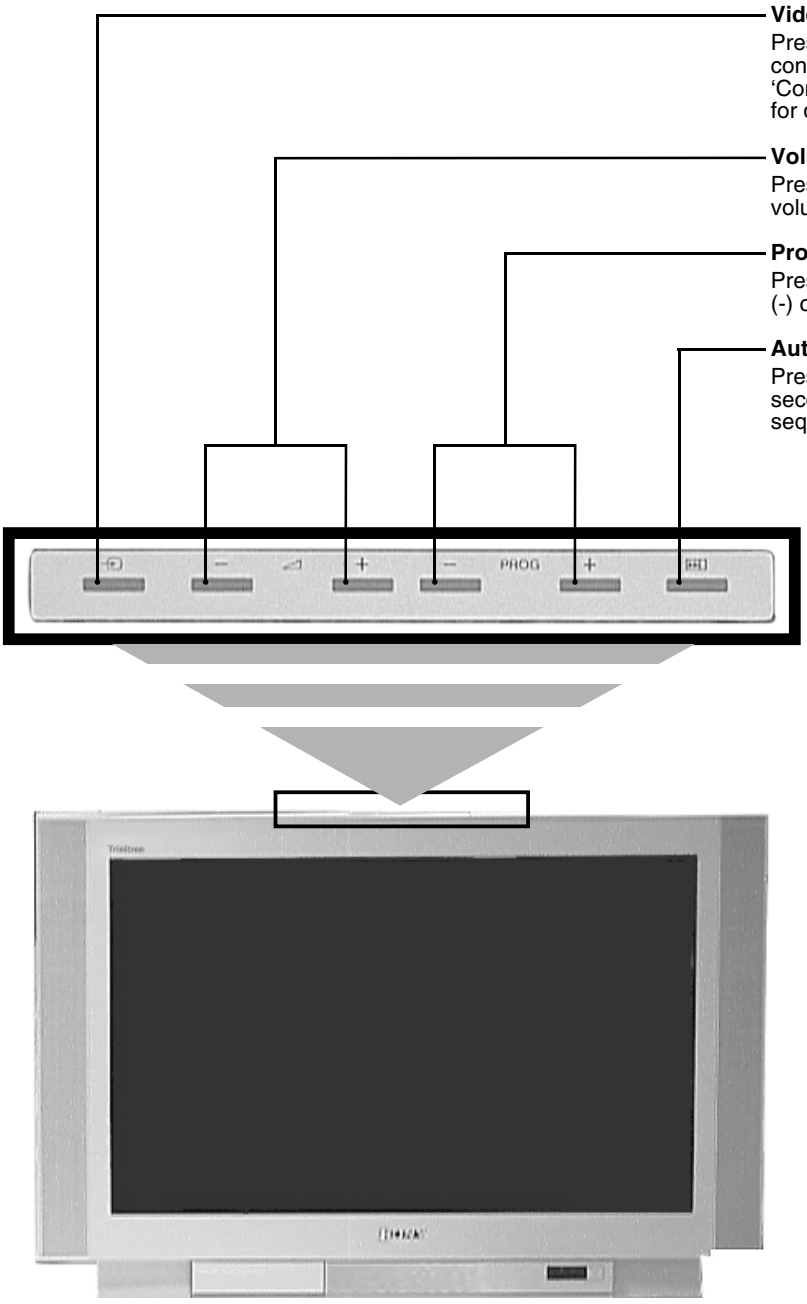
21 Text button
Press to switch Text on or off. Refer to 'Text' for details.

22 Menu button
Press to enter the menu system of this TV. Refer to 'Using the TV menu system' for details.

23 Programme buttons
In TV Mode: Press to display the next (+) or previous (-) channel.
In Text Mode: Press to select the next (+) or previous (-) Text page.

Coloured buttons
The 'Picture Mode', 'Sound Mode', 'Multi Picture In Picture (Multi PIP)' and 'Screen Mode' buttons can also be used as Fastext buttons. Refer to 'Text' for details.

Overview of the TV buttons



Video input button

Press to select signals from equipment connected to the TV sockets (refer to 'Connecting other equipment to the TV' for details).

Volume buttons

Press to increase (+) or decrease (-) the volume.

Programme buttons

Press to display the next (+) or previous (-) channel.

Auto Start up button

Press and hold for approximately 2 seconds to start the auto start up sequence.

Text

Most TV channels provide a Text service. Please ensure you are receiving a good signal or some Text errors may occur.

Viewing Text

1. Select the TV channel which carries the Text service you want to view.

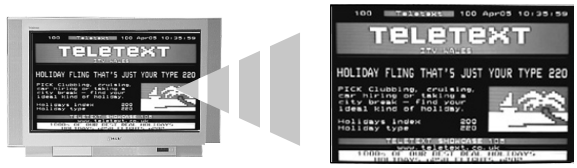
2. Press the ▤ button on the remote control to enter Picture and Text (P&T) mode. The screen is divided in two with the Text display on the left and the TV channel in the right corner.

Note: In P&T mode press the ⊕ button followed by **PROG+/-** to change the channel of the TV screen. Press the ⊕ button again to resume normal text reception.

Press the ▤ button a second time to enter full screen Text mode.

Press the ▤ button a third time to enter Mix mode.

3. Press the numbered buttons on the remote control to enter the three digits of the page number you wish to view. Alternatively, press the ⊲ or ⊳ buttons to view the previous or next page. After a short time the page appears on screen.



4. Enter more 3 digit page numbers as required.

5. Press the ▢ button on the remote control at any time to exit Text mode.

How to use Text features

Feature	How to use
Sub-page Some pages contain sub-pages which follow on automatically. This feature allows you to directly access the required sub-page.	Press the ← or → buttons to select the required sub-page.
Hold This feature allows you to hold the current page until you are ready to proceed.	Press the ⊖/⊕ button to hold the page currently being displayed. Press again to cancel.
Fastext Fastext allows you to access pages quickly and easily. When Fastext is available, four coloured items appear at the bottom of the screen.	Press the corresponding coloured button on the remote control to access the required page.
Page Catching This feature allows you to jump quickly from one page to another.	When viewing a page that contains several page numbers (e.g. the index page), press the **OK** button. Press the ↑ or ↓ buttons to highlight the page number required. Press the **OK** button to confirm. Your chosen page appears on the TV screen.

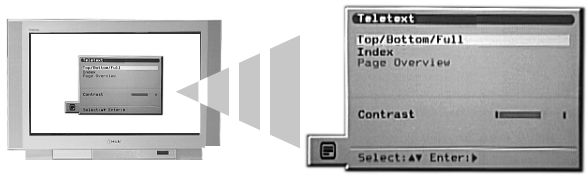
Teletext menu

The ‘Teletext’ menu gives you access to more Text features.

1. Select the TV channel which carries the Text service you want to view.

2. Press the ▤ button on the remote control to enter Text mode.

3. With Text displayed on the TV screen, press the **MENU** button to display the ‘Teletext’ menu on the TV screen.



4. Press the ▲ or ▼ buttons to highlight the feature you require. Press the ▶ button to select.

5. Press the **MENU** button to remove the ‘Teletext’ menu from the TV screen.

6. Press the ▭ button to exit Text.

The following table explains each feature:

Feature	How to use
Top/Bottom/Full This feature allows you to enlarge sections of the displayed Text page.	Press the ▲ button to enlarge the top part of the page. Press the ▼ button to enlarge the bottom part of the page. Press the **OK** button to return the page to normal size. Press the **MENU** button to return to the ‘Teletext’ menu.
Index Most Text services contain an index page which lists all the available pages and their 3 digit page number. This feature automatically displays the index page.	Press the ▶ button to display the index page.
Page Overview (only for TOPText broadcasts) TOPText offers an alternative version of Text where the pages are divided into two columns. The first column shows ‘blocks’ of pages and the second column shows ‘groups’ of pages.	Press the ◀ or ▶ button to select the required column. Press the ▲ or ▼ button to select the required ‘block’ or ‘group’ of pages. Press the **OK** button to display the chosen page.
Contrast This feature allows you to adjust the contrast of Text pages.	Press the ◀ or ▶ button to increase or decrease the contrast. Press the **OK** button to confirm your choice.

Multi Picture In Picture (Multi PIP)

This feature displays 13 different channels simultaneously on screen. From this display you can select which channel you wish to view.

1. Press the button to enter Multi PIP mode.

2. Press the **PROG +/-** buttons repeatedly to select the next or preceding 12 channels.

3. Press the ↑, ↓, ←, or → buttons to move around the 13 displayed channels.

4. Press the **OK** button to select the framed channel. This channel now moves to the centre.

5. Press the **OK** button again to view the selected channel or press the button to exit Multi PIP mode.

Picture And Picture (PAP)

This feature divides the screen in two for watching two channels simultaneously. The sound of the left screen comes through the TV loudspeakers while the sound from the right screen is selectable via headphones.

1. Press the button to enter PAP mode.

2. Refer to the table below for explanations of each option.

3. Press the button to exit PAP mode.

Option	How to use
Selecting sound for the headphones	With the TV in PAP mode set the 'Dual Sound' feature to 'PAP' (Refer to 'Sound Adjustment menu' section for more information.)
Changing the channel of the left screen	Press the **numbered** buttons or **PROG +/-** buttons to select the required channel. Alternatively, press the / button to view pictures from equipment connected to the AV sockets of the TV.
Changing the channel of the right screen	Press the ↑ button. The ↑ symbol appears in the right screen. Press the **numbered** buttons or **PROG +/-** buttons to select the required channel. Alternatively, press the / button to view pictures from equipment connected to the AV sockets of the TV.
Swapping screens	Press the button to swap the screens.
Zooming the screens	Press the ← or → buttons to change the size of the two screens.

Screen Mode

The pictures that the TV receives may be in one of several formats (e.g. conventional 4:3 format, 16:9 widescreen format). You can alter the TV screen mode manually to suit the broadcast you are watching*.

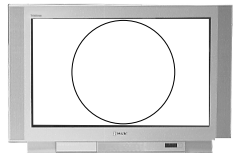
1. Press the ⊞ button on the remote control to display the Screen Mode menu on the TV screen.

2. Press the ⊞ button repeatedly (or use the ▲ and ▼ buttons) to select one of the following modes.

3. Press the **OK** button to confirm.

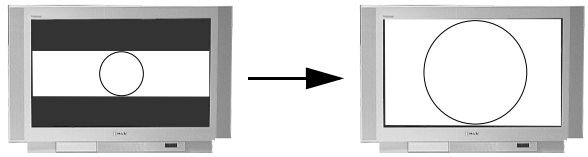
Wide

For watching widescreen broadcasts (e.g. Digital/Satellite TV, DVD).



Zoom

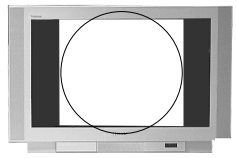
For watching cinemascopic (letter box format) broadcasts (e.g. films in letter box format).



Letter box broadcast... ...viewed in Zoom mode.

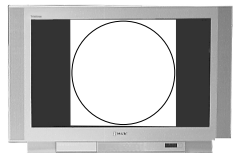
14:9

For watching 14:9 broadcasts. This mode is a compromise between the 4:3 and Wide modes.



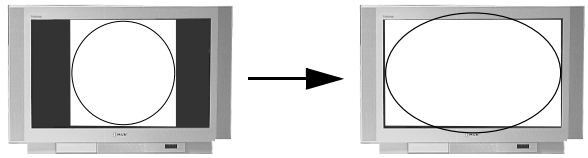
4:3

For watching conventional 4:3 broadcasts (e.g. non widescreen TV).



Smart

Creates an imitation widescreen effect for conventional 4:3 broadcasts so that the picture fills the screen.



4:3 broadcast... ...viewed in Smart mode.

Notes: *Alternatively, set the 'Auto Format' menu option to 'On'. The TV will automatically select the best mode to suit the broadcast. Refer to 'Features menu' for details.

In 'Smart', 'Zoom' and '14:9' modes, parts of the bottom and top of the picture may be cut off. Press the ▼ or ▲ buttons to adjust the position of the picture on the screen (e.g. to read subtitles).

NexTView Electronic Programme Guide (EPG)

The NexTView Electronic Programme Guide (EPG) provides you with programming information from different broadcasters, depending on availability of service.

Selecting your NexTView provider

Your TV automatically selects the best NexTView provider for you. This service is available about 30 minutes after you automatically tune the TV. You can however change this selection if you wish.

1. Press the **MENU** button on the remote control to display the menu on the TV screen.

2. Press the ↑ or ↓ buttons to select the symbol. Press the → button to enter the 'Set Up' menu.

3. Press the ↑ or ↓ buttons to highlight 'Select NexTView' then press → to confirm. A list is displayed containing all available NexTView providers.

4. Press the ↑ or ↓ buttons to highlight the desired NexTView provider*.

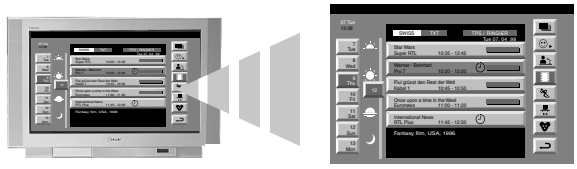
5. Press the **OK** button to confirm and store your selection.

6. Press the **MENU** button to return to normal TV operation.

Notes: *Select the '-----' option to receive the EPG service provided by the current TV channel. When you change the TV channel the EPG from the new channel is automatically loaded (if an EPG service is available).

Displaying and using NexTView

1. Press the button on the remote control to display NexTView on the TV screen. In some cases you may also need to press the ← button to display the Sony electronic programme guide.



2. Press the ↑,↓, and → buttons to move the cursor around the screen.

3. Press the **OK** button to confirm a selection.

a) If you press the **OK** button in date, time or icon (themes) columns the programme list changes according to the selection.

b) If you press the **OK** button in the programme list the selected programme is displayed. If, however, the programme is not currently being broadcast, the 'Long Info' menu is displayed (see next page).

4. Press the button on the remote control to exit NexTView.

Using the ‘Individual Setting’ menu

You can set this menu so that only the programme types you wish to view are displayed in the programme list column.

1. Select the ☺ icon in the NexTView menu. Press the → button to display the ‘Individual Setting’ menu.

2. Press the ↑ or ↓ buttons to select the programme type you require. Press the **OK** button to confirm your choice.

3. Repeat Step 2 for all the programme types you wish to have in your list.

4. Press the → button to select the ⮌ icon on the menu. Press the **OK** button to return to the previous menu.

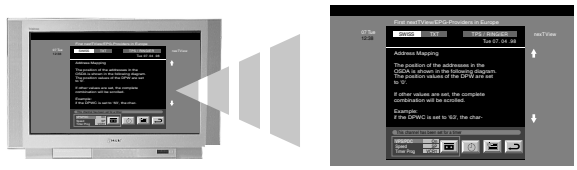
5. Press the ↑ or ↓ buttons to select the ☺ icon again. Press the **OK** button to activate your ‘Individual Setting’ choices.

Using the ‘Long Info’ menu

This feature allows you to set timers and record selected programmes.

1. Press the ↑ or ↓ buttons to select a future programme from the programme list.

2. Press the **OK** button to display the ‘Long Info’ menu.



3. Press the ↑ or ↓ buttons to highlight the option you require.

4. Press the → button to select the ⮌ icon. Press the **OK** button to return to the previous menu.

The following table explains each option:

Option	How to use
To set the timer	Press the ← or → button to highlight the ⏲ symbol. Press the **OK** button to set the timer. Once the timer is set a clock symbol appears by the programme in the NexTView menu. Shortly before the programme starts, a message appears asking whether you still wish to view the programme.
To view the timer table	Press the ← or → button to highlight the ☰ symbol. Press the **OK** button to switch the timer table On or Off. This table can display up to 5 timed programmes you have set.
To record a programme (only for Smartlink VCRs)	Press the ← or → button to highlight the ⊡ symbol. Press the **OK** button to download the programme information to the VCR. You can then set up the following options: **VPS/PDC** Press the ← button to select VPS/PDC. Press the **OK** button to select On or Off. When set to On you will not miss any of the recording should there be a change in the TV programme schedule. This only works if the selected channel broadcasts a VPS/PDC signal. **Speed** Press the ↓ button to select Speed. Press the **OK** button to select SP for standard play or LP for long play. With long play you can record twice as much on a videotape. The picture quality however may suffer. **VCR Setup** Press the ↓ button to select VCR Setup. Press the **OK** button to select which VCR you wish to programme. Choose between VCR1 and VCR2.

Using the TV menu system

This TV contains a menu system which is based on a series of on screen displays. These displays help you get the most from your TV, from customising the picture and sound to accessing advanced features.

Use the following buttons on the remote control to operate the TV menu system:

1. Press the **MENU** button to display the main menu.

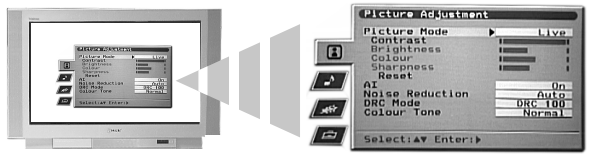
2. Use the following buttons to operate the menu:

- Press the ↓ or ↑ buttons to highlight the required menu or option.
- Press the → button to enter the required menu or option.
- Press the ← button to return to the last menu or option.
- Press the ↓, ↑, ← or → buttons to alter the settings of the selected option.
- Press the **OK** button to confirm and store your selection.

3. Press the **MENU** button to remove the menu from the TV screen.

Picture Adjustment menu

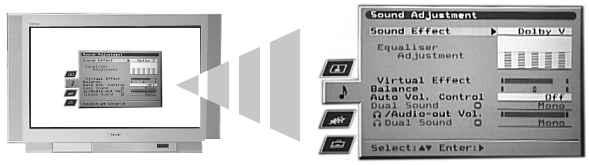
This menu allows you to customise the picture. Highlight the required option and press → to select. The table below explains each option and how to use it.



Option	How to use
Picture Mode This option allows you to select one of four picture modes. The Live, Movie and Game modes are preset and only Contrast can be adjusted. The Personal mode, however, also allows you to adjust the Brightness, Colour and Sharpness options.	Press ↑ or ↓ to select Live, Personal, Movie or Game. Press **OK** to confirm.
Contrast, Brightness, Colour, Sharpness These options allow you to adjust the contrast, brightness, colour and sharpness. **Note:** Brightness, Colour and Sharpness can only be adjusted when Picture Mode is set to Personal.	Press ← or → to set the levels. Press **OK** to confirm.
Reset This option resets all picture settings to the factory preset levels.	Press → to restore default picture settings.
AI (Artificial Intelligence) This option monitors the picture and limits any sudden increases in brightness and contrast.	Press ↑ or ↓ to select On or Off. Press **OK** to confirm.
Noise Reduction Sometimes a weak signal can produce a snowy picture (called Picture Noise). This option can help to reduce this effect.	Press ↑ or ↓ to select High, Mid, Low, Auto or Off. Press **OK** to confirm.
DRC Mode DRC (Digital Reality Creation) Mode allows you to enjoy higher quality pictures on your TV. The settings available are: **Off**: Basic 100Hz picture quality. **DRC 50**: Improved picture resolution. **DRC 100**: Optimum picture resolution.	Press ↑ or ↓ to select Off, DRC 50 or DRC 100. Press **OK** to confirm.
Colour Tone This option allows you to alter the tint of the picture. The settings available are: **Warm**: Gives the white colours a red tint. **Normal**: Gives the white colours a neutral tint. **Cool**: Gives the white colours a blue tint.	Press ↑ or ↓ to select Warm, Normal or Cool. Press **OK** to confirm.

Sound Adjustment menu

This menu allows you to customise the sound. Highlight the required option and press ➧ to select. The table below explains each option and how to use it.



Option	How to use
Sound Effect This option allows you to select one of four sound modes.	Press ▲ or ▼ to select Personal, Dolby V*, Dynamic** or Natural**. Press **OK** to confirm.
Equaliser Adjustment This option allows you to customise the sound by adjusting five frequency bands. **Note:** This feature is only available when Sound Effect is set to Personal.	Press ◄ or ➧ to select the required band. Press ▲ or ▼ to adjust the frequency level. Press **OK** to confirm.
Virtual Effect This option allows you to adjust the level of the surround sound effect when listening to a Dolby surround sound broadcast. **Note:** This option is only available when Sound Effect is set to Dolby V.	Press ◄ or ➧ to set the level of effect. Press **OK** to confirm.
Balance This option allows you to set the balance of sound between the left and right speakers.	Press ◄ or ➧ to set the balance. Press **OK** to confirm.
Auto Vol. Control Sometimes the broadcast volume level changes (e.g. adverts tend to be louder than programmes). This option allows you to cancel this effect, giving a constant volume level.	Press ▲ or ▼ to select Off or On. Press **OK** to confirm.
Dual Sound **When receiving a bilingual broadcast:** This option allows you to choose which language to listen to. **When receiving a stereo broadcast:** This option allows you to choose between mono or stereo sound.	**When receiving a bilingual broadcast:** Press ▲ or ▼ to select A to listen to the first language or B to listen to the second language. Press **OK** to confirm. **When receiving a stereo broadcast:** Press ▲ or ▼ to select Mono or Stereo. Press **OK** to confirm.
🎧/Audio-out Vol. This option allows you to simultaneously set the volume level for the headphone socket and the volume level of the Audio output sockets on the rear of the TV.	Press ◄ or ➧ to set the volume for the headphone and Audio output sockets. Press **OK** to confirm.
🎧Dual Sound This option allows you to alter the sound settings when the TV is in PAP mode. The settings available are: **Stereo:** The sound from one screen is output to both the TV loudspeakers and the headphones. **PAP:** The sound from the left screen is output to the TV loudspeakers and the sound from the right screen is output to the headphones.	Press ▲ or ▼ to select Stereo or PAP. Press **OK** to confirm.

Notes: *When 'Dolby V' is selected, the TV simulates the full effects of Dolby Pro Logic Surround sound without the need for additional speakers. Manufactured under license from Dolby Laboratories. 'Dolby', 'Pro Logic' and the double-D symbol are trademarks of Dolby Laboratories.
**'Natural' and 'Dynamic' are functions of the 'BBE High Definition Sound System'. This system enhances clarity, detail, presence of sound and increases musical realism.

Features menu

This menu allows you to set the sleep timer and set the signal to be output from the AV3 socket. The table below explains each option and how to use it:

Option	How to use
Auto Format This option can automatically detect the type of screen format being received. The settings available are: **Off**: Screen Mode remains constant. **On**: Screen Mode automatically changes to the format being received.	Press ▲ or ▼ to select Off or On. Press **OK** to confirm.
Format Correction (only available if 'Auto Format' is set to 'On') When viewing 4:3 or 14:9 broadcasts there will be dark areas visible at the edge of the screen. The settings available are: **Off**: Dark areas remain on the TV screen. **On**: The TV automatically switches to Smart mode, eliminating any dark areas on the TV screen.	Press ▲ or ▼ to select Off or On. Press **OK** to confirm.
Sleep Timer This option allows you to set a period of time after which the TV switches itself into standby mode. This can be in 10 minute intervals up to a maximum of 90 minutes.	Press ▲ or ▼ to select the period of time required. Press **OK** to confirm.
AV3 Output This option allows you to set which signal source is output from the AV3 scart socket (labelled 3/3) on the rear of the TV. If you connect a VCR to this socket you can record from equipment connected to the other sockets of the TV. The settings available are: **TV**: Outputs the TV signal. **AV1**: Outputs the signal from equipment connected to the 1 socket on the rear of the TV. **AV2**: Outputs the signal from equipment connected to the 2 socket on the rear of the TV. **AV3**: Outputs the signal from equipment connected to the 3/3 socket on the rear of the TV. **AV4**: Outputs the signal from equipment connected to the 4/4 socket on the rear of the TV. **AV5**: Outputs the signal from equipment connected to the 5/5 socket on the front of the TV.	Press ▲ or ▼ to select **TV**, **AV1**, **AV2**, **AV3**, **AV4** or **AV5**. Press **OK** to confirm.

Set Up menu

This menu contains advanced features that allow you to customise the TV. The options are:

Auto Tuning
All the available channels were tuned in when the TV was first installed. The 'Auto Tuning' option in the 'Set Up' menu allows you to repeat that process (e.g. to re-install the TV at an alternative location or search for new channels that have been launched by broadcasters).

With the 'Auto Tuning' option highlighted, press ▶ to select. The autotune prompt appears on screen. Press **OK** to start the auto tuning process. When all available channels have been tuned the TV returns to normal operation.

Programme Sorting
The 'Programme Sorting' option in the 'Set Up' menu allows you to change the order in which the channels are stored on the TV.

With the 'Programme Sorting' option highlighted, press ▶ to enter the 'Programme Sorting' menu. Press ▼ or ▲ to highlight the channel you wish to move to a new position, then press ▶ to select. Press ▼ or ▲ to highlight the new position for your channel, then press **OK**. Your chosen channel has now moved to the new position. Repeat to move other channels if required.

Select NexTView
With the 'Select NexTView' option highlighted, press ▶ to enter the 'Select NexTView' menu. Refer to 'NexTView Electronic Programme Guide (EPG)' for details.

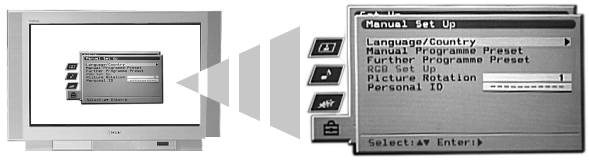
AV Preset
The 'AV Preset' option in the 'Set Up' menu allows you to assign a name to any equipment connected to the AV sockets of the TV. The name is displayed briefly on screen when the equipment is selected.

With the 'AV Preset' option highlighted, press ➧ to enter the 'AV Preset' menu. Press ⬇ or ⬆ to highlight the socket you wish to name. Press ➧ to select the **AUTO FORMAT** column. Press ⬇ or ⬆ to select 'Off' or 'On'. (For more details on 'Auto Format', refer to 'Features menu'.) Press ➧ to select the **LABEL** column. Press ⬇ or ⬆ to select the first character. Press ➧ to confirm this character. Select the other characters in the same way (up to a maximum of five characters). After selecting all required characters, press **OK** to store.

Manual Set Up
With the 'Manual Set Up' option highlighted, press ➧ to enter the 'Manual Set Up' menu. The 'Manual Set Up' menu is explained below.

Manual Set Up menu

This menu gives you access to more advanced features. The options are:



Language/Country
When you first installed the TV you were asked to select your language and country. The 'Language/Country' option in the 'Manual Set Up' menu allows you to change these settings.

With the 'Language/Country' option highlighted, press ➧ to enter the 'Language/Country' menu. Press ⬇ or ⬆ to select 'Language' or 'Country'. Press ➧ to adjust. Press ⬇ or ⬆ to highlight the required setting. Press **OK** to confirm.

Manual Programme Preset
With the 'Manual Programme Preset' option highlighted, press ➧ to enter the 'Manual Programme Preset' menu. The 'Manual Programme Preset' menu is explained on the following page.

Further Programme Preset
With the 'Further Programme Preset' option highlighted, press ➧ to enter the 'Further Programme Preset' menu. The 'Further Programme Preset' menu is explained on page 20.

RGB Set Up
When viewing signals from RGB equipment connected to the AV1 or AV2 sockets (e.g. DVD player, PlayStation) the picture may need adjusting. The 'RGB Set Up' option in the 'Manual Set Up' menu allows you to adjust the size and horizontal picture position of signals from RGB equipment.

With the 'RGB Set Up' option highlighted, press ➧ to enter the 'RGB Set Up' menu. Press ➧ to select **H Centre**. Press ⬇ or ⬆ to centralise the picture over a range of -10 to +10. Press **OK** to store. Press ⬇ to select **H Size**. Press ⬇ or ⬆ to adjust the picture size over a range of -10 to +10. Press **OK** to store.

Note: If there is no RGB equipment connected to either the AV1 or AV2 scart socket the 'RGB Set Up' option will not be available.

Picture Rotation
Due to the Earth's natural magnetism the picture might slant slightly. The 'Picture Rotation' option in the 'Manual Set Up' menu allows you to cancel out this effect.

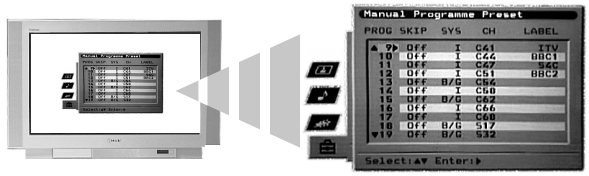
With the 'Picture Rotation' option highlighted, press ➧ to select. Press ⬇ or ⬆ to rotate the picture over a range of -5 to +5. Press **OK** to store.

Personal ID
The 'Personal ID' option in the 'Manual Set Up' menu allows you to enter a code which could help to trace you should the TV be stolen and recovered. This code can only be entered once - please make a note of it and keep it safe.

With the 'Personal ID' option highlighted, press ➧ to select. Press ⬇ or ⬆ to display the first character of the code you wish to use. Press ➧ to select. Repeat until all characters have been entered. Press **OK** to store. A confirmation screen is displayed. Press **OK** to confirm.

Manual Programme Preset menu

The 'Manual Programme Preset' option in the 'Manual Set Up' menu allows you to manually tune channels.



With the 'Manual Programme Preset' option highlighted, press ➧ to enter the 'Manual Programme Preset' menu. Press ⬇ or ⬆ to highlight the channel you wish to tune. Press ➧ twice to select the SYS column. Press ⬇ or ⬆ to select the TV broadcast system (B/G for western European countries, D/K for eastern European countries or EXT for an external input source). Press ➧ to confirm and select the CH column. Press ⬇ or ⬆ to select the channel tuning (C for terrestrial channels, S for cable channels or F for direct frequency input). Press ➧ to confirm. You now need to tune the channel by one of the following methods:

(a) If you know the channel number of the TV broadcast, the VCR test signal or the frequency:
Press the **numbered** buttons on the remote control to enter the channel number. Press **OK** to store.

(b) If you do not know the channel number:
Press ⬇ to select SEARCH. The TV set automatically searches for the next available TV broadcast channel or the VCR test signal. When a channel has been found press either **OK** to store or ⬇ to continue searching.

(c) For external input sources (EXT):
Press ⬇ to select AV1, AV2, AV3, AV4 or AV5 depending on which socket you have connected your equipment to. Press **OK** to store.

Labelling a channel

Names for channels are usually taken automatically from Teletext (if available). This name will be displayed briefly on screen when the channel is selected. The 'LABEL' option in the 'Manual Programme Preset' menu allows you to assign a name of your choice up to 5 characters or numbers.

With the 'Manual Programme Preset' option highlighted, press ➧ to enter the 'Manual Programme Preset' menu. Press ⬇ or ⬆ to highlight the channel number you require. Press ➧ repeatedly to select the LABEL column. Press ⬇ or ⬆ to select the first character. Press ➧ to confirm this character. Select the other characters in the same way. After selecting all required characters, press **OK** to store.

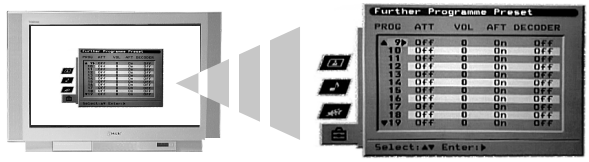
Skipping a channel

The 'SKIP' option in the 'Manual Programme Preset' menu allows you to skip unused channel positions when selecting channels with the **PROG+/-** buttons. However, you can still select skipped channels by using the **numbered** buttons on the remote control.

With the 'Manual Programme Preset' option highlighted, press ➧ to enter the 'Manual Programme Preset' menu. Press ⬇ or ⬆ to highlight the channel number you require. Press ➧ to select the SKIP column. Press ⬇ to select On (select Off to remove the SKIP feature). Press **OK** to store.

Further Programme Preset menu

The ‘Further Programme Preset’ option in the ‘Manual Set Up’ menu allows you to obtain a better picture if there is interference, set the volume level of an individual channel, fine tune the TV and set up a channel for viewing signals from a Decoder.



With the ‘Further Programme Preset’ option highlighted, press ➔ to enter the ‘Further Programme Preset’ menu. Press ➘ or ➚ to highlight the channel number you require. Press ➔ repeatedly to select one of the following options:

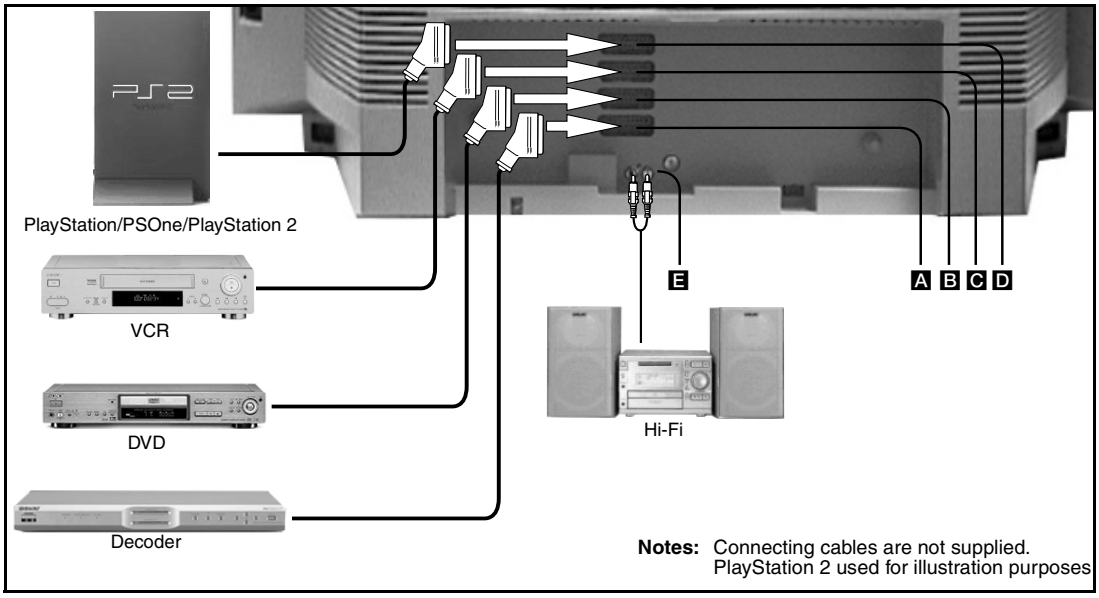
(a) ATT (RF Attenuator). This allows you to improve the picture if there is interference from other channels. Press ➘ to select On. Press **OK** to store.

(b) VOL (Volume Level Offset). This allows you to set the volume level for an individual channel. Press ➘ or ➚ to adjust the volume level over a range of -7 to +7. Press **OK** to store.

(c) AFT (Automatic Fine Tune). This allows you to fine tune a channel. Press ➘ or ➚ to select On. Alternatively, press ➘ or ➚ to manually adjust the tuning frequency over a range of -15 to +15. Press **OK** to store.

(d) DECODER. This allows you to set a channel for viewing scrambled signals (e.g. from a pay TV decoder). Press ➘ or ➚ to select AV1 or AV3 depending on which socket is used to connect. Press **OK** to store. The unscrambled signal now appears on the selected channel.

Connecting other equipment to the TV



1. Connect your equipment as shown in the above illustration.

2. Press the ⇆/⇆ button on the remote control until the correct symbol for your equipment appears on the TV screen (see table below).

On Screen Symbol	Input Signals
⇆1	For equipment connected to socket **A**.
⇆2	For equipment connected to socket **B**.
⇆3	For equipment connected to socket **C**.
⇆4	For equipment connected to socket **D**.

3. Switch on the connected equipment. The picture (if any) from this equipment appears on the TV screen.

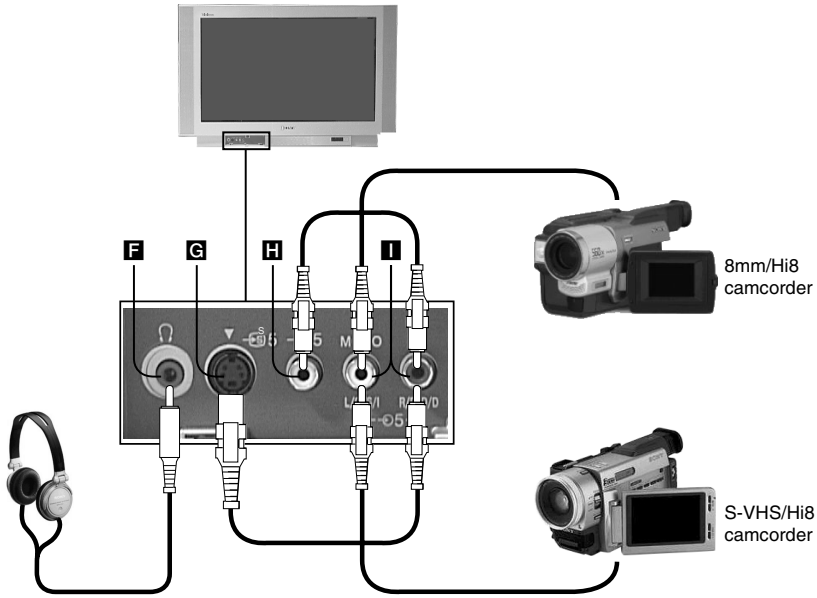
4. Press the ▭ button to return to normal TV operation.

Connecting a Smartlink VCR

Smartlink is a direct link between the TV and VCR. For more information on Smartlink, please refer to your VCR instruction manual. Ensure that your Smartlink VCR is connected to the **C** socket, using a fully-wired 21 pin Scart lead.

Connecting external audio equipment

Connect your Hi-Fi system to the **E** sockets on the rear of the TV. Use the '🎧/Audio-out Vol.' option in the 'Sound Adjustment' menu to adjust the volume level.



Note: Connecting cables are not supplied.

1. Connect your equipment as shown in the above illustration.

2. Press the ⊖/⊕ button on the remote control until the correct symbol for your equipment appears on the TV screen (see table below).

On Screen Symbol	Input Signals
⊖5	For equipment connected to socket **H** and **I**.
	For equipment connected to socket **G** and **I**.

3. Switch on the connected equipment. The picture (if any) from this equipment appears on the TV screen.

4. Press the ▭ button to return to normal TV operation.

Note: To avoid picture distortion do not connect equipment to the **G** and **H** sockets at the same time.

Connecting headphones

Connect your headphones to the **F** socket. Use the '🎧/Audio-out Vol.' option in the 'Sound Adjustment' menu to adjust the volume level.

Remote control of other equipment

The remote control supplied with your TV operates not only Sony VCRs and DVD players, but also those made by other manufacturers. The following instructions guide you through the set up procedure.

1. Find the 3 digit code for your brand from the list below.

2. Press the ◄ MODE ► Selector button on the remote control until either the green VCR light or the green DVD light illuminates.

3. With the required green light illuminated, press and hold down the **YELLOW** button for approximately 6 seconds, until this light starts to flash.

4. Use the **numbered** buttons to enter the 3 digit code for your VCR or DVD. Once a correct number has been entered, all the green VCR, TV and DVD lights illuminate together momentarily.

5. Turn on your VCR or DVD and check that the remote control operates the main functions. If not, repeat steps 2 - 4 and enter the next 3 digit code allocated to your brand of VCR or DVD.

6. When you wish to use the remote control to operate the TV again, press the ◄ MODE ► Selector button until the TV green light illuminates. Don't forget to select VCR or DVD using the ◄ MODE ► Selector button every time you wish to operate that equipment with this remote control.

Note: The brand codes you set may be lost if weak batteries are not replaced immediately. Should this happen, use the above procedure to re-enter the code. A small label has been attached to the inside of the battery cover for you to make a note of your brand codes. Not all brands and models of VCRs and DVDs are covered in this list, however, Sony will endeavour to update the software periodically. Please refer to the code table provided with your remote control.

VCR Brand List		DVD Brand List	
Brand	**Code**	**Brand**	**Code**
SONY (VHS)	001	SONY	001
SONY (BETA)	021	AIWA	021
SONY (DVD)	018, 027, 020, 002	DENON	018, 027, 020, 002
AIWA	009, 028, 023, 024, 016, 003	GRUNDIG	009, 028, 023, 024, 016, 003
AKAI	025, 026, 015, 004	HITACHI	025, 026, 015, 004
DAEWOO	006, 017	JVC	006, 017
GRUNDIG	008	KENWOOD	008
HITACHI	015, 014	LG	015, 014
JVC	009, 028, 023, 024, 016, 003	LOEWE	009, 028, 023, 024, 016, 003
LG	013, 016	MATSUI	013, 016
LOEWE	022	ONKYO	022
MATSUI	018, 027, 020, 002	PANASONIC	018, 027, 020, 002
ORION	009, 028, 023, 024, 016, 003	PHILIPS	009, 028, 023, 024, 016, 003
PANASONIC	004	PIONEER	004
PHILIPS	011, 014	SAMSUNG	011, 014
SAMSUNG	007	SANYO	007
SANYO	019, 027	SHARP	019, 027
SHARP	012	THOMSON	012
THOMSON	003	TOSHIBA	003
TOSHIBA	018, 027, 020, 002	YAMAHA	018, 027, 020, 002

Specifications

TV System
I

Colour System
PAL
NTSC 3.58, 4.43 (only Video In)

Channel Coverage
UHF: B21 - B69

Picture Tube
FD Trinitron Approx. 91cm (36 inches)

Sound Output
Left/Right: 2x20W (music power)
2x10W (RMS)
Subwoofer: 22W (music power)
11W (RMS)

Power Consumption
166W

Dimensions (w x h x d)
Approx. 972 x 614 x 588mm

Weight
Approx. 90kg

Rear Terminals

1	21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
2	21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
3/3	21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, selectable audio/video output.
4/4	21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, selectable audio/video output.
	RF In
L/Q/S/I R/D/D/D	Audio output - phono jacks

Front Terminals

5	Video input - phono jack
5	Audio inputs - phono jacks
5	S video input - 4 pin DIN
	Headphones jack - minijack stereo

Accessories Supplied
RM-938 remote control (1)
IEC designated size AA (R6) battery (2)

Design and specifications are subject to change without notice.

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Suggested Remedy
No picture (screen is dark), no sound.	• Plug the TV in. • Press the ⏻ button on the front of the TV. • If the ⏻ indicator on the TV is lit press the TV I/⏻ button or a numbered button on the remote control. • Check the aerial connection. • Turn the TV off for 3 or 4 seconds and then turn it on again using the ⏻ button on the front of the TV.
Poor or no picture (screen is dark), but good sound.	• Using the MENU system, select the Picture Adjustment menu. Adjust the brightness, picture and colour balance levels. • From the Picture Adjustment menu select RESET to return to the factory settings.
Good picture, no sound.	• Press the ◿ button on the remote control. • If 🔇 is displayed on the screen, press the 🔇 button on the remote control.
No colour on colour programmes.	• Using the MENU system, select the Picture Adjustment menu and adjust the colour setting. • From the Picture Adjustment menu select RESET to return to the factory settings.
Distorted picture when changing channels or selecting Text.	• Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function.	• Check that the ◄ MODE ► Selector button on the remote control is set according to the device you are using (VCR, DVD or TV). • If the remote control does not operate your VCR or DVD even when the ◄ MODE ► Selector button has been set correctly, refer to the 'Remote control of other equipment' section of this instruction manual and enter the correct code. • Replace the batteries.
Interference on picture from connected equipment.	• Reduce sharpness level.
The standby indicator ⏻ on the TV flashes.	• Contact your nearest Sony service centre.

- **If you continue to have these problems, have your TV serviced by qualified personnel.**
- **NEVER open the casing yourself.**

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